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| | What is claimed is: | 1121 = scope of term of Function |
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| 1 | 1. A method for | r treating a patient having a disease associated with |
| 2 | undesirable or uncontrolled | cell proliferation, the method comprising: |
| 3 | administering to the | patient a 20(S)-camptothecin for a period of time |
| 4 | during which a pyrimidine b | pase analog is not being administered to the patient; |
| 5 | and | patient a 20(S)-camptothecin for a period of time pase analog is not being administered to the patient; in all occurrences no chemical formulae specific name provided. |
| 6 | administering a pyrin | midine base analog to the patient. |
| 1 | 2. A method ac | cording to claim 1 wherein the 20(S)-camptothecin |

- 2 is administered at least 1 day before the pyrimidine base analog is administered.
- 1 3. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered at least 2 days before the pyrimidine base analog is administered.
- 4. 1 A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered at least 3 days before the pyrimidine base analog is administered.
- 1 5. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered at least 4 days before the pyrimidine base analog is administered.
- 6. A method according to claim_1 wherein the 20(S)-camptothecin 2 is administered at least 5 days before the pyrimidine base analog is administered.
- 1 7. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered between 1 and 90 days before the pyrimidine base analog is 3 administered.
- 1 8. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered between 2 and 90 days before the pyrimidine base analog is 3 administered.
 - 9. A method according to claim 1 wherein the 20(S)-camptothecin

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- 2 is administered between 3 and 90 days before the pyrimidine base analog is 3 administered.
- 1 10. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered between 4 and 90 days before the pyrimidine base analog is 3 administered.
- 1 11. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered between 5 and 90 days before the pyrimidine base analog is 3 administered.
 - 12. A method according to claim 1 wherein the 20(S)-camptothecin is administered at least 1 day after the pyrimidine base analog is administered.
 - 13. A method according to claim 1 wherein the 20(S)-camptothecin is administered at least 2 days after the pyrimidine base analog is administered.
 - 14. A method according to claim 1 wherein the 20(S)-camptothecin is administered at least 3 days after the pyrimidine base analog is administered.
 - 15. A method according to claim 1 wherein the 20(S)-camptothecin is administered at least 4 days after the pyrimidine base analog is administered.
- 1 16. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered at least 5 days after the pyrimidine base analog is administered.
- 1 17. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered between 1 and 90 days before or after the pyrimidine base analog 3 is administered and is also administered within 1 day of when the pyrimidine base 4 analog is administered.
- 1 18. A method according to claim 1 wherein the 20(S)-camptothecin 2 is administered between 2 and 90 days before or after the pyrimidine base analog 3 is administered and is also administered within 2 days of when the pyrimidine

- 4 base analog is administered.
- 1 19. A method according to claim 1 wherein the 20(S)-camptothecin
- 2 is administered between 3 and 90 days before or after the pyrimidine base analog
- 3 is administered and is also administered within 3 days of when the pyrimidine
- 4 base analog is administered.
- 1 20. A method according to claim 1 wherein the 20(S)-camptothecin
- 2 is administered between 4 and 90 days before or after the pyrimidine base analog
- 3 is administered and is also administered within 4 days of when the pyrimidine
- 4 base analog is administered.
- 1 21. A method according to claim 1 pancreatic cancer wherein the
- 2 pyrimidine base analog is a fluorinated analog of a pyrimidine base.
- 1 22. A method according to claim 1 pancreatic cancer wherein the
- 2 pyrimidine base analog is a fluorinated analog of uracil.
- 1 23. A method according to claim 1 wherein the 20(S)-camptothecin
- 2 is 9-nitro-20(S)-camptothecin.
- 1 24. A method according to claim 1 wherein the disease associated
- 2 with undesirable or uncontrolled cell proliferation is cancer.
- 1 25. A method according to claim 1 wherein the cancer is selected
- 2 from the group consisting of acute myelogenous leukemia, cholangiocarcinoma,
- 3 chronic myelogenous leukemia, lymphoma, melanoma, multiple myeloma,
- 4 osteosarcoma, gastric sarcoma, glioma, bladder, breast, cervical, colorectal, lung,
- 5 ovarian, pancreatic, prostrate, and stomach cancer.
- 1 26. A method according to claim 1 wherein the disease associated
- 2 with undesirable or uncontrolled cell proliferation is pancreatic cancer.

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the patient.

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| 1 | 27. A method for treating a patient having a disease associated with |
| 2 | undesirable or uncontrolled cell proliferation, the method comprising: |
| 3 | administering to the patient a 20(S)-camptothecin for a period of time |
| 4 | during which a pyrimidine base analog is not present in a pharmacologically |
| 5 | active form in the patient's body; and administering a pyrimidine base analog to |

- 1 28. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered at least 1 day before the pharmacologically active pyrimidine base 3 analog is present in the patient's body.
- 1 29. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered at least 2 days before the pharmacologically active pyrimidine 3 base analog is present in the patient's body.
- 30. A method according to claim 27 wherein the 20(S)-camptothecin is administered at least 3 days before the pharmacologically active pyrimidine base analog is present in the patient's body.
- 1 31. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered at least 4 days before the pharmacologically active pyrimidine 3 base analog is present in the patient's body.
- 1 32. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered at least 5 days before the pharmacologically active pyrimidine 3 base analog is present in the patient's body.
- 1 33. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered between 1 and 90 days before the pharmacologically active 3 pyrimidine base analog is present in the patient's body.
 - 34. A method according to claim 27 wherein the 20(S)-camptothecin

- is administered between 2 and 90 days before the pharmacologically active pyrimidine base analog is present in the patient's body.
- 1 35. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered between 3 and 90 days before the pharmacologically active 3 pyrimidine base analog is present in the patient's body.
- 1 36. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered between 4 and 90 days before the period when the 3 pharmacologically active pyrimidine base analog is present in the patient's body.
- 1 37. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered between 5 and 90 days before the pharmacologically active 3 pyrimidine base analog is present in the patient's body.
- 38. A method according to claim 27 wherein the 20(S)-camptothecin is administered at least 1 day after the pharmacologically active pyrimidine base analog is no longer present in the patient's body.
- 39. A method according to claim 27 wherein the 20(S)-camptothecin is administered at least 2 days after the pharmacologically active pyrimidine base analog is no longer present in an active form in the patient's body.
- 40. A method according to claim 27 wherein the 20(S)-camptothecin is administered at least 3 days after the pharmacologically active pyrimidine base analog is no longer present in an active form in the patient's body.
- 1 41. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered at least 4 days after the pharmacologically active pyrimidine base 3 analog is no longer present in an active form in the patient's body.
- 1 42. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered at least 5 days after the pharmacologically active pyrimidine base

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- analog is no longer present in an active form in the patient's body.
 - 43. A method according to claim <u>27 wherein the 20(S)-camptothecin</u> is administered between 1 and 90 days before or after the pharmacologically active pyrimidine base analog is present in the patient's body and is also administered within 1 day of when the pharmacologically active pyrimidine base analog is present in the patient's body.
 - 44. A method according to claim 27 wherein the 20(S)-camptothecin is administered between 2 and 90 days before or after the pharmacologically active pyrimidine base analog is present in the patient's body and is also administered within 2 days of when the pharmacologically active pyrimidine base analog is present in the patient's body.
 - 45. A method according to claim 27 wherein the 20(S)-camptothecin is administered between 3 and 90 days before or after the pharmacologically active pyrimidine base analog is present in the patient's body and is also administered within 3 days of when the pharmacologically active pyrimidine base analog is present in the patient's body.
 - 46. A method according to claim 27-wherein the 20(S)-camptothecin is administered between 4 and 90 days before or after the time when the pharmacologically active pyrimidine base analog is present in the patient's body and is also administered within 4 days of when the pharmacologically active pyrimidine base analog is present in the patient's body.
- 1 47. A method according to claim 27 wherein the 20(S)-camptothecin 2 is administered between 5 and 90 days before or after the time when the 3 pharmacologically active pyrimidine base analog is present in the patient's body 4 and is also administered within 5 days of when the pharmacologically active 5 pyrimidine base analog is present in the patient's body.
 - 48. A method according to claim 27 wherein the pyrimidine base

- 2 analog is a fluorinated analog of a pyrimidine base.
- 1 49. A method according to claim 27 wherein the pyrimidine base 2 analog is a fluorinated analog of uracil.
- 1 50. A method according to claim 27 wherein the 20(S)-camptothecin 2 is 9-nitro-20(S)-camptothecin.
- 1 51. A method according to claim 27 wherein the disease associated 2 with undesirable or uncontrolled cell proliferation is cancer.
- 1 52. A method according to claim 27 wherein the cancer is selected 2 from the group consisting of acute myelogenous leukemia, cholangiocarcinoma, 3 chronic myelogenous leukemia, lymphoma, melanoma, multiple myeloma, 4 osteosarcoma, gastric sarcoma, glioma, bladder, breast, cervical, colorectal, lung, 5 ovarian, pancreatic, prostrate, and stomach cancer.
- 1 53. A method according to claim 27 wherein the disease associated 2 with undesirable or uncontrolled cell proliferation is pancreatic cancer.